

## NEAR EAST UNIVERSITY – COMMON COURSES COORDINATION UNIT

1988								
Ders Bilgi Formu / Course Information Sheet								
Ders Kodu / Course Code COM100	INFOR	<b>Ders Adı / Course Name</b> MATION TECHNOLOGIES 1-2		Kre Cre	edi / edit	AKTS /ECTS 8		
Önkoşul / Pre-re	quisite: NONE							
Ders Dili / Language: ENGLISH		<b>Ders Türü /Course Type:</b> COMPULSORY			Öğretim Ortamı / Mode of Instruction: DISTANCE EDUCATION			
Haftalık Ders Saati /	Sınıf Saati / Class Hours	Laboratuvar / Uygulam Laboratory Practicu		Öğrenim Oturumları / Learning Sessions				
Weekly Hours	0	3	0	<b>PÇ / PS</b> 2	P/C 2	<b>D/R</b>	0/T 2	
Haffalik Ders       Class Hours         Saati /       0         Weekly Hours       0         Öğrenim Çıktıları /       Learning Outcomes		3         0         2         2         2           Bu dersin sonuda ögrenciler:           After the completion of this course, the student will be able to:           Explains the basic concepts of information technologies.           Discusses the positive and negative aspects of different information technologies.           Explains the basic concepts and functions of the computer system.           Gives examples of input and output units.           Produces solutions for technical problems faced in hardware and software.           Realizes the importance of data management in electronic environment.           Performs basic file and folder management operations.           Explains the basic concepts of ethics and IT ethics.           Realizes the rights of others online.           Understands the purposes and importance of digital citizenship applications.           Realizes that digital identities may not reflect reality.           Identifies the components that are important in terms of privacy.           Discovers the journey of information between networks.           Explains the basic concept of web browser and uses the browser.           Researches at a simple level using search engines.           Defines communication technologies and lists their types.           Discusses the positive and negative aspects of communicate.           Explains the concept of web browser and uses the browser.           Researches						

	<ul> <li>Describes interdisciplinary careers developed by computer science.</li> <li>Discusses ethical and unethical behavior in the use of information and technology.</li> <li>Evaluates the importance of intellectual property rights.</li> <li>Discusses the individual and social effects caused by privacy and security problems.</li> <li>Explains threats to information security and privacy.</li> <li>Evaluates the security level of various environments.</li> <li>Describes the measures that can be taken against structures that can pose a threat to security.</li> <li>Separates a problem into sub-problems.</li> <li>Descigns different algorithms to solve a problem.</li> <li>Creates the flow chart of the designed algorithm.</li> <li>Tests the designed algorithm and debug errors.</li> <li>Reveals the relationship between algorithm design and programming language.</li> <li>Recognizes the interface and features of the programming tool.</li> <li>Converts the algorithm developed to solve a specific problem into an error-free program.</li> <li>Creates a syntax suitable for a given problem.</li> <li>Uses variables for solving the problem.</li> <li>Uses conditional statements to solve the problem.</li> <li>Uses functions for solving the problem.</li> <li>Uses functions for solving the problem.</li> <li>Uses functions for solving the problem.</li> <li>Develops a unique product for the solution of a particular problem.</li> <li>Creates a product using gap design programs.</li> <li>Produces collaborative projects.</li> <li>Explains the basic concepts of animation.</li> <li>Creates the scenario of the animation with the help of storyboards.</li> <li>Recognizes the interface and features of the animation program used.</li> <li>Creates animation for a specific purpose.</li> <li>Evelops the thier and features of the animation program used.</li> <li>Creates the scenario of the animation with the help of storyboards.</li> <li>Recognizes the interface and features of the animation program used.</li> <li>Creates animation for a specific</li></ul>
	Environments.
Ders Tanımı / Course Description	modern and basic information technologies effectively.
Dersin Amaçları / Course Objectives	<ol> <li>Being individuals who understand technological concepts, systems and processes as digital citizens,</li> <li>Using information technologies effectively and in accordance with the purpose,</li> <li>Access, research and use of Internet-based services,</li> <li>To create a general understanding and technical knowledge about computer science,</li> <li>To acquire and develop problem solving and computational thinking skills,</li> <li>To follow and evaluate the reasoning process,</li> <li>As a part of the learning process, they acquire collaborative working skills, make use of social environments and share what they have learned,</li> <li>Searching for learning opportunities on the internet,</li> <li>To be able to express their verbal and visual expression by developing an understanding of the algorithm design,</li> </ol>

<ul> <li>I0. Selecting and applying the appropriate programming approach to solve problems,</li> <li>I1. Creating technical knowledge on programming,</li> <li>I2. Being able to use at least one of the programming languages,</li> <li>I3. Carrying out studies on product design and management,</li> <li>I4. Developing innovative and original projects for the solution of the problems encountered in daily life,</li> <li>I5. Aims to gain awareness about lifelong learning.</li> <li>I Course materials shared on UZEM</li> <li>I The Place of Information Technologies in Daily Life</li> <li>Computer Systems, File Management</li> <li>Ethics and Security, Digital Citizenship</li> <li>Privacy and Security</li> <li>Communication Technologies and Collaboration</li> <li>Visual Processing Programs</li> <li>O Presentation Programs</li> <li>Problem Solving Concepts and Approaches, Programming</li> <li>Information Technologies in Daily Life importance</li> <li>Information Technologies and Approaches, Programming</li> <li>Information Technologies in Daily Life importance</li> <li>Ethical values</li> <li>Problem Solving Concepts and Approaches, Programming</li> <li>Problem Solving Concepts and Approaches</li> <li>Programming</li> <li>Problem Solving Concepts and Approach</li></ul>						
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